

IO2122 Security Systems Engineer SD-029

General information

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| Job category | Standard |
| Status | Published |
| Department | SD/ Safety Department |
| Division | SD / Security, Health & Safety Division |

Job description

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| Main job | Safety - Security - Generalist |
| Title of the position | Security Systems Engineer SD-029 |
| Job family | Engineer - 1 |
| Grade | P2 |
| Direct employment | Required |
| Purpose | <p>To design and coordinate the implementation of physical protection equipment, security systems and associated devices in the ITER Organization (IO) including but not limited to Closed Circuit Television (CCTV), Access control and intrusion detection systems, radio communication systems.</p> <p>Please note that an organizational restructuring is planned in accordance with the needs of the organization and the evolution of the project phases. In this context, the unit of assignment of the present position may be updated in late 2019, early 2020.</p> |
| Main duties / Responsibilities | <p>Establishes and maintains technical consistency of the security and physical protection system's performances, including both functional and physical attributes to ensure that they are in line with the requirements, design, and operational information;</p> <p>Keeps up-to-date documentation associated with physical protection and security systems;</p> <p>Establishes a maintenance programmes on all systems under their supervision to ensure the operability at any time</p> <p>Contributes to the identification, design of processes and procedures and implementation of future physical protection and security system devices, such as the qualification, installation, integration and commissioning of physical protection and security systems (as well as the associated cabling and infrastructure);</p> <p>Develops and issues relevant condition, performance analyses reports related to security systems and devices;</p> <p>Supervises the day-to-day technical operations of the physical protection and security systems;</p> <p>Benchmarks and keeps up-to-date with the marketplace for physical protection and security systems;</p> <p>Develops and manages interfaces with other systems on site such as buildings, electrical, safety, control system, IT, etc., by interacting with the Plant Control and Instrumentation Section, IT Security & Policy Responsible Officer when appropriate;</p> <p>Participates in security arrangements for visits and meetings;</p> <p>Takes part in the on-call duty service established by the ITER Organization outside normal working hours, including nights, weekends and public holidays;</p> <p>May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;</p> <p>Reports to the Security Officer for French classified information activities.</p> |
| Measures of effectiveness | <p>Develops and enforces procedures and manages efficiently the interfaces between the Access Control and Security system and buildings, electrical, safety, control system and IT within the defined quality and schedule;</p> <p>Establishes efficient working relations with the IT Security Systems Responsible Officer and provides accurate data and information to the Security Officer for French classified information;</p> <p>Ensures the constant availability of physical protection and security systems by establishing and maintaining protection and mitigation measures;</p> <p>Demonstrates efficiency and autonomy during on-call duties;</p> <p>Ensures that the relevant documentation is always up-to-date.</p> |

Applicant criteria

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| Level of study | Master or equivalent degree |
| Diploma | Engineering |
| Level of experience | At least 5 years |
| Technical experience/knowledge | <p>Masters' degree or equivalent in Engineering, ideally specialized in security, control systems, electronics or other relevant discipline;</p> <p>The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.</p> <p>French Security clearance is required for taking up the position;</p> <p>Relevant experience in identifying and assessing risks, in particular cyber security risks and radio communication systems best practices, proposing mitigation and protection measures;</p> <p>Communication and implementation of procedures and methods for security systems;</p> <p>Excellent knowledge and experience in applying legal and technical security standards (e.g. EN 1627, EN 50131);</p> <p>Ensuring the surveillance and propagation of the requirements.</p> <p>High level of reliability, discretion, and confidentiality in handling documents and other information;</p> |
| General skills | <p>Collaborate: Ability to (facilitate) dialogue with a wide variety of contributors and stakeholders;</p> <p>Communicate Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment;</p> <p>Drive results: Ability to persist in the face of challenges to meet deadlines with high standards;</p> <p>Manage Complexity: Ability to analyze multiple and diverse sources of information to define problems accurately before moving to proposals/solutions;</p> <p>Instill trust: Ability to model high standards of team mindset, trust, excellence, loyalty and integrity.</p> |
| Languages | <p>English (Fluent)</p> <p>French (Working)</p> |
| Others | Knowledge of French to interact with French security authority would be an advantage. |